

**Subject:** Green House Gases

**From:** Donald Cochran <cochrandonald@hotmail.com>

**Date:** Wed, 09 Jan 2008 06:15:46 +0000

**To:** schurch@arb.ca.gov

**BCC:**

Sir

I read your announcement for comments concerning proposals to eliminate ghg's. I don't have my notes I wished to reference, but to eliminate the carbon footprint from all the fuels we use--which is all carbon based--is nonsense. To assume California and the California economy is an isolated entity that can make all these changes without it destroying the economic base is more greatly counter productive.

We, as a state, had a higher GDP than most countries--we were 6th compared to the U.S., Great Britain, Germany, Japan, and Russia at one point. This was before the Bush Senior/Clintonista crowd in Washington destroyed Aerospace and the conservative base, now we are behind Italy and probably 10th or 11th standing in economies--maybe less. All of that was accomplished because of productivity. To assume we, as a state, can eliminate ghg's and 'our carbon footprint' while still using hydrocarbon fuels without destroying our economy further is totally unrealistic. To assume California can effect the ghg situation through out the world is beyond reason. I know you are an intelligent person, you have a Phd. May I offer a thought or two to help the situation right now, no great technologies:

1 Time all the lights so you can go from one side of town to another without having to stop and start fifty times. Constant speeds, minimum shifting up and down reduces gas consumption. It takes five shifts to get to 15 miles per hour in a commercial truck; this would save a lot of fuel now. Take a practical test of my idea: go to William Land Park, come back past the tower Theater on 15th and go to North Sacramento. The signals have been set at 25 miles per hour down that street for 50 years, and you won't have to stop more than once or twice. Oregon did the same thing in Portland, the paper documented the reductions in the paper I think March 12th, 2007. This can be done now with major reductions in consumption for everyone--except of course the gas companies and their multi billion dollar profit margins.

2 The internal combustion engine, for all it can do, is horrifically inefficient. Any engineering book will tell you 30-34% of the energy in a gallon of fuel goes out the radiator, and an equally 30-34% goes out thru the tail pipes/stacks. It must be replaced. (That won't happen from Detroit willingly, or probably otherwise). Yes, I have a design solution that will reduce consumption by approximately 50%, yes, little ole' me. (I have two patents already, just no money to produce them). The concepts have been worked out by people a lot smarter than me, my niche is manufacturing, and I can make it really work.

Apart from that, you have to go nuclear fusion to get what you really want, it won't happen any other way.

If you have a moment, I would appreciate hearing from you, I wish you well in your endeavors as long as you don't destroy the economy doing it.

I am,

Sincerely,

Donald Cochran  
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